

ATAROV, M.S.; BERNSHTEYN, A.S.; BUNIN, N.N.; VOL'NOV, I.I.; GINZBURG, V.A;
DANOVSKIY, N.F.; IVLEV, N.I.; KERZHENEVICH, Yu.B.; LITVII-SEDOY,
M.Z.; MAYZEL', B.N.; ROTENBERG, G.I.; TYAGUNOVA, Z.I., red.;
PLAKSH, L.Yu., tekhn. red.

[Concise Italian-Russian polytechnic dictionary] Kratkii ital'iansko-
russki politekhnicheskii slovar'. Moskva, Glav.red.inostr. nauchno-
tekhn.slovarei Fizmatgiza, 1961. 378 p. (MIRA 14:12)
(Italian language—Dictionaries—Russian)
(Technology—Dictionaries)

DANOVSKIY, V. F.

Automatic welding lines in an automobile body plant. Avt. i trakt.
prom. no. 8:29-30 Ag'55. (MIRA 8:11)
(United States--Automobiles--Bodies)

ALEKSANDROV, P.A., kand.arkhitektury; GROMOVA, N.M., kand.farmatsevticheskikh nauk; KAPITSA, N.K., arkitektor; SAMSONOV, G.A., arkitektor; DANOVSKIY, V.F., arkitektor, nauchnyy red.; OSKLEDETS, Z.M., red. izd-va; GILENSON, P.G., tekhn.red.

[Auxiliary therapeutic departments of general hospitals; manual on the planning of pharmacies, laboratories, and physical therapy departments] Lechebno-vspomogatel'nye otdeleniya bol'niits obshchego tipa; posobie dlja proektirovaniia aptek, laboratori, fizioterapevticheskikh otdelenii. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1960. 122 p. (MIRA 14:2)
(HOSPITALS--CONSTRUCTION)

DANOVSKY, F.

"Authorship of innovations" p. 16, "The result of the competition for recording innovations" p. 17, (UJITCK LAPJA, Vol. 5, no. 7, April 1953, Budapest, Hungary)

SO: Monthly List of East European Accessions, L. C., Vol. 2, No. 7, July 1953,
Uncl.

DANOVSKY, F.

Conference on innovations at the Ministry of Public Education. p. 15.
UJITOK LAPJA, Budapest, Vol. 7, no. 4, Feb. 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

DANOVSZKY. F.

Storm on the banks of the Tisza and Adam in space. p. 13.

National exhibition of innovators in domestic trade. p. 14.

Mass production of television sets. p. 14.

Innovating is worth while! p. 15

The 350-kg. David. p. 15.

UJITOK LAPJA, Vol. 7, No. 7, April 1955

(Oszagos Talalmanyi Hivatal) Budapest.

SOURCE: EAST EUROPEAN ACCESSIONS LIST Vol. 5, No. 1 September, 1956

DANOWSKA, T

✓ Reduction mechanism and electron structure of oxycyanorhenate. B. Izownka-Treblotowska and J. Danowska (Univ. Wroclaw, Poland). *Z. physik. Chem. (Leipzig)* 214, 29-39 (1988).—By aid of the polarographic redn. of $K_2(ReO_4(CN)_4)$, the electron no. involved in the cathode process was calcd. from the Ilkovic equation and detd. by polarographic microcoulometry. With an excess of CN^- ions the redn. leads directly to Re^{+4} complexes. With redn. in a KCl soln. Re^- ions were obtained. The results of the electrochem. method were confirmed chemically by redn. with Na amalgam in which Re^{+4} complexes were obtained.

Friedrich Epstein

5
2929(p/B)

AE26
1-11-10. 1D

JG

Polish Technical Abst.
No. 1 1954
Chemistry and Chemical Technology

2642

663 J.03

Nowakowski B, Pacholski K. The Use of 1,2 Dichloroethane for Extraction of Oil Seeds.

Zeszytowisko 1,2 dichloroetanu do ekstrakcji nasion oleistych.
(Prace Gt. Inst. Przem. Roln. i Spot. No. 1), Warszawa, 1952, PWT, 5 pp.,
5 figr., 4 tabs.

The authors discuss the possibility of using 1,2 dichloroethane for the extraction of oil seeds. In the first part of their work are given technical data relating to 1,2 dichloroethane. This solvent possesses a higher capacity to extract fat than benzene or tri, but with the fat it dissolves simultaneously a large amount of non fatty substances. Due to the action of dichloroethane, the iron apparatus is subject to insignificant corrosion. One of the unfavourable properties of this solvent consists in its relatively high solubility in water and the possibility of the formation of an emulsion with water; this calls for a modification of the method of separation from water and the construction of a special apparatus for regenerating dichloroethane. Extraction by means of 1,2 dichloroethane required greater heat than extraction with benzene. The price of dichloroethane is higher than that of benzene, but the most disadvantageous property of this solvent is its high toxicity (allowable concentration 0.05 mg/l). In the second part of this work, a description is given of the apparatus for extracting by means of dichloroethane. The construction of this apparatus is based on Soviet experts' recent studies in this field. Changes in this equipment consist mainly in modifications of the system of separating water from the dichloroethane, of constructing equipment for the regeneration of dichloroethane from the water, and of introducing intensive ventilation.

DANOWSKI / KAZIMIERZ

The quality of margarines. I. The influence of refining and hydrogenation upon the quality of raw fats. Jerzy Czaplicki, Karoliusz Dunowski, Augustyn Jakubowski, Wacław Kłonkowski, Henryk Mewiński, and Irena Urska (Zakłady Tłuszców, Gdańsk, Poland). *Prace Chemiczne Inst. Przemysłu Rolnego i Spółzakwater 4*, No 1, 1-12 (1934).—The changes of the analytical values of vegetable oils are studied as these are brought about by various methods of refining and hydrogenating, with special attention to rapeseed oil (I), as this is the main ingredient in the best-known brand of Polish margarine ("Ceres"). During refining some of the P—O—N linkages are the P—O—CH₃.

CH₃—NMe₂—O part of the lecithin (II) hydrolyze; this is of importance for the antioxidant action of II. Thus the P content of II are of no abs. value. The hydrations of peanut oil (III) and of I are studied over a temp. range from 60 to 100°, as a function of the intensity of agitation and the amt. of H₂O present. The hydration values for III scatter without disclosing a definite trend, but the values for I increase from 17.0 to 23.0% if the temp. rises from 60 to 80°. Refining is done with various strengths ("B6") of NaOH, at various temps., durations, in one-step and multistep procedures. No generally valid recipe can be given;

It is of importance to wash out the excess NaOH down to 0.003%. Deodorization decreases the free acids in I to 0.1% and better, and in III to 0.075% and better. Hydrogenation is done at 180° with 0.3 atm. H pressure with a catalyst which contains 0.25% Ni; it was found that raising the Ni to 0.45% does not offer any advantages, and changing the temp. in the range from 140 to 210° too does not have much influence; at all these temps. III shows a change in the iodine value from 98.1 to 89.3 (highest) and 63.1 (lowest).

Werner Jacobson

(5)

decreed, as well as in the decree issued by the minister decree, to 4.7 (unwashed 1) and 3.4 mg.-% (washed 3-fold by distilled water), resp. During the deacidification of the acid-refined oil some carotene, sterols, and phosphatides are lost, particularly after the neutralization point has been reached and the soap particles formed are ignited; some of the refined oil is also lost by mech assoc. with the soap particles. The theory of the deacidification of the acid refined and raw oils refined by NaOH solns is based on the right of phys. chem. str. (the theory of the saponification of the alkali droplets in saponifications is not yet known). Deacidification is done with a 10% soln of NaOH at various temps. The carb. of the oil is

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Graph 5

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Graphite, Jet 24

syntheses: Aquatic U.S. or International

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509710016-2"

DANOWSKI, T.

DANOWSKI, T. Interferences with reception and ways of controlling them. (To be
contd.) p. 13.

Vol. 6, No. 10, Oct. 1956

RADIOMATOR
TECHNOLOGY
Warszawa, Poland

See East European Accession, Vol. 6, No. 2, Feb. 1957

SABADUS, Valeria, conf.; DAN-REBENCIUC, E., dr.; REGHIS, E., dr.

Current problems in perinatal and neonatal pathology. Padiatria (Bucur.) 14 no.3: 193-202 My-Je '65.

1. Clinica de pediatrie a Institutului de medicina, Timisoara (for Sabadus). 2. Sectia de nou-nascuti in Clinica de obstetrica a Institutului de medicina, Timisoara (for Dan-Rebeniciuc, Reghis)

DANISHCHIKOV, Yu., red.; KODAIEV, P., tekhn. red.

[Hall of the Komi A.S.S.R. at the All Union Agricultural Exhibition]
Zal Komi ASSR na VSKhV 1957 goda. [Syktyvkar] Komi kn-vo, 1957.
43 p. (MIRA 11:4)

(Moscow--Agricultural exhibitions)
(Komi A.S.S.R.--Agriculture)

DAN'SHEV, I. A.: Master Vet Sci (diss) -- "Material on the bacteriology of
pasteurallosis of animals". Saratov, 1958. 22 pp (Min Agric USSR, Kazakh Vet
Inst im N. E. Bauman), 200 copies (KL, No 12, 1959, 130)

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509710016-2

DAN'SHIN, A.O., starshiy dorozhnyy master (stantsiya Gryazi-Voronezhskiy)

Laying and maintaining high-manganese containing "frogs." Put' i
put.khoz. no.9:36 S '57. (MIRA 10:10)
(Railroads--Crossings)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509710016-2"

DAN'SHIN, A.T.

DAN'SHIN, A.T., starshiy dorozhnyy master (stantsiya Gryazi-Voronezhskiy).

Hard facing or grinding? Put' i put, khoz. no.1:43 Ja '58.
(Railroads—Rails) (MIRA 11:1)

DAN'SHIN, A.G. (Magnitogorsk)

Magnitogorsk gardeners. Zdorov'se 7 no.7:27 Jl '61. (MIRA 14:6)
(MAGNITOGORSK—LANDSCAPE GARDENING)

DAN'SHIN, T. YE.

Wheat

Variation in length of vegetation period of spring wheats, depending on conditions under which they are raised. Agrobiologiya No. 1, 1952. Vologodskaya Gosudarstvennaya Seleksionnaya Stantsiya, Kurkino, Vologodskaya, Oblast'.

SO: Monthly List of Russian Accessions, Library of Congress, June 1952 1953, Uncl.

DAN'SHIN, T. Ye.

"Stages of wheat development under northern conditions." Reviewed by V. Ye. Pisarev. Sel. i sem. 19 No 2, 1952.

LEONIDOV, N.K.; DAN'SHIN, V.V.

"Repair of blast furnaces" by A.P.Gora, A.A.Zil'berman.
Reviewed by N.K.Leonidov, V.V.Dan'shin. Stal' 22 no.10:
890-891 0162. (MIRA 15:10)

1. Gosudarstvennyy soyuznyy institut po proyektirovaniyu
metallurgicheskikh zavodov.
(Blast furnaces—Maintenance and repair)
(Gora, A.P.) (Zil'berman, A.A.)

LEONIDOV, N.K.; DAN'SHIN, V.V.

Equipment of blast furnaces with a capacity of 2700 m³.
Stal' 23 no.2:104-115 F '63. (MIRA 16:2)

1. Gosudarstvennyy soyuznyy institut po proyektirovaniyu
metallurgicheskikh zavodov.
(Blast furnaces—Equipment and supplies)

SHUBINA, N.A.; DAN'SHINA, M.I.

Dyeing practices for viscose staple fiber. Tekst.prom. 17 no.2:64-
65 P '57. (MLRA 10:2)

1. Zaveduyushchiy khimicheskoy laboratoriyye Ivanovskogo melanzhevogo kombinata imeni Frolova (for Shubina). 2. Nachal'nik khlopkokrasil'nogo tsakha Ivanovskogo melanzhevogo kombinata imeni Frolova (for Dan'shina).

(Dyes and dyeing---Rayon)

BABAYEV, V.I., inzh.; DAN'SHINA, N.Y.

Rapid method for determining the iodine numbers of fatty alcohols
and fatty acids. Masl.-zhir. prom. 27 no.10:30-31 O '61.
(MIFI 14:11)

1. Shebokinskiy kombinat sinteticheskikh zhirnykh kislot i
zhirnykh spirtov.

(Iodine number)
(Acids, Fatty)
(Alcohols)

BABAYEV, V.I., inzh.; GRANOVSAYA, R.M., inzh.; BAZHENOVA, N.I., inzh.; DAN'SHINA, N.M., inzh.

Using the industrial method for the sulfonation of alcohols from unsaponifiables II with sulfuric acid. Masl.-zhir.prom. 28 no.8:34-35
Ag '62. (MIRA 17:2)

1. Shebekinskiy kombinat sinteticheskikh zhirnykh kislot i zhirnykh
spirtov.

KHACHATUROV, T.S., red.; DAN'SHINA, V.N.[translator]; ZOTOV, B.D.
[translator]; ISUPOV, V.T.[translator]; MENIKER, V.D.[translator];
TEREKHOV, V.F.[translator]; SHAGALOV, G.L.[translator]; KORMNOV,
Yu.F., nauchnyy red.; ZAYTSEV, N.F., red.; KHOMYAKOV, A.D., tekhn.
red.

[Problems in the economic efficiency of capital investments] Voprosy ekonomicheskoi effektivnosti kapitalovlozhenii; sbornik statei.
Pod red. i so vstup. stat'sei T.S.Khachaturova. Moskva, Izd-vo
inostr. lit-ry, 1962. 276 p. (MIRA 15:12)

1. Chlen-korrespondent Akademii nauk SSSR (for Khachaturov).
(Capital investments)

DANSKER, V. L. Cand Med Sci -- (diss) " Certain experimental data [redacted] on the functions of arterio-venous anastomosis." Len, 1957. 16 pp 20 cm. (Len Pediatric Med Inst) 200 copies. (KL, 23-57, 116)

-122-
114

DANSKER, V.L.

AUTHOR: DANSKER, V.L. 20-5-64/67
TITLE: Influence of Operation Sympathectomy on arterio-venous Anastomoses
in the Rabbit Ear.
(Vliyaniye operatsii sympatektomii na arterio-venesnyye anastomozy
ukha krekika. Russian).
PERIODICAL: Doklady Akademii Nauk SSSR, 1957, Vol 113, Nr 5, pp 1171 - 1173
(U.S.S.R.)
Received: 7 / 1957 Reviewed: 8 / 1957

ABSTRACT: The importance of arterio-venous anastomoses in normal condition and in pathology is to be found in the fact that by their connecting arterioles with venules they can facilitate the transfer of considerable amounts of blood from arteries immediately into veins while avoiding the capillary network. SITENKO showed that blood drained from tissues which are gravely affected ischemia, removes great amounts of unused oxygen in the case of obliterating endarteritis, and that, with respect to its composition, it approaches arterial blood. This discrepancy between capillary and arterial blood circulation was especially great in the hind limbs after lumbar sympathectomy. In spite of the important increase of the afflux of arterial blood the blood circulation in the capillaries deteriorated. For this SITENKO made the dilatation of anastomoses responsible. The author wanted to prove the influence of sympathectomy experimentally. Besides, the elimination of

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20-5-64/67

Influence of Operation Sympathectomy on arterio-venous Anastomoses
in the Rabbit Ear.

the vasometric innervation opened the way for an explanation of the mechanism of regulation of the width of the lumen of anastomoses. The thin vascular layer of the epidermis was microscopically studied on living normal rabbits after the removal of the skin in the inner auricle and of the cartilage. Then the bilateral sympathectomy was carried out on the upper cervix. It was stated that the removal of the upper sympathetic ganglia of the cervix brings about an opening and an essential dilatation of the arterio-venous anastomoses of the arteries and veins in the auricle. The influence of this operation is temporary and ends again after about 2 - 3 weeks. (Illustration (marked as 2), 3 citations from Slavic publications)

ASSOCIATION: Leningrad Neuro-Surgical Institute "A.L. POLENOV"
(Leningradskiy nevrokhirurgicheskiy institut im A.L. POLENOV)

PRESENTED BY: ORBELL, L.A., Member of the Academy.

SUBMITTED: January 3, 1957

AVAILABLE: Library of Congress

Card 2/2

BYSTROV, V.D., DANSKER, I.L.

In vivo photomicrography of vessels of a warm-blooded animal.
Lab. delo 4 no. 6:53-55 K-D '58 (MIRA 11:12)

1. In Institut eksperimental'noy meditsiny (dir. - prof. D.A. Biryukov) i Leningradskogo neirokhirurgicheskogo instituta (dir. prof. V.N. Shamov).

(PHOTOMICROGRAPHY)
(BLOOD VESSELS)

USSR / Human and Animal Morphology (Normal and Pathological).
Methods and Techniques of Investigation.

8

Abs Jour : Ref Zhur - Biologiya, No 1, 1959, No. 2883

Author : Dansker, V. L.

Inst : Not given

Title : Method of Intravital Microscopy of Vessels of the
Rabbit Ear

Orig Pub : Fiziolog. zh. SSSR. 1958, 44, No 1, 62-67

Abstract : A detailed method of study is described, which
consists of an elaborate preparation of a rabbit ear
to create a very thin layer of tissue containing undamaged
vessels and preserved innervation. The prepared
portion is included in a transparent cell which allows
to observe the vessels for weeks and months under

Card 1/2

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APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R000509710016-2"
Methods and Techniques of Investigation.

8

Abs Jour : Ref Zhur - Biologiya, No 1, 1959, No. 2883

a slight magnification by the microscope. Photographs
of vessels are added.

Card 2/2

LASTOVSKIY, R.P.; MIKHAYLOV, G.I.; NOVIKOVSKAYA, N.A.; PETROV,
D.A.; ~~DANSKER, V.L.~~; MOREVA, Ye.V.; MALKIEL', G.E.,
red.; ~~PINDZHIKOVA, A.I.~~, tekhn. red.

[Urea for intravenous injection] Mochevina dlja vnutri-
vennogo vvedeniia. Moskva, Vses. nauchno-issl. in-t khim.
reaktivov i osobo chistykh khimicheskikh veshchestv, 1962.
10 p. (MIRA 16:7)
1. Russia (1923- U.S.S.R.) Sovet Ministrov. Gosudarstvennyy
komitet po khimii.

(UREA—THERAPEUTIC USE)

DANSKER, V.L.; KAPUSTIN, S.M.; KOLTUN, V.M. (Leningrad)

Experience in the use of endotracheal anesthesia in cerebral angiography. Vop. neirokhir. 27 no.3:24-25 My-Je '63. (MIRA 17:9)

1. Leningradskiy nauchno-issledovatel'skiy neurokhirurgicheskiy institut imeni Polenova (dir. - prof. V.M.Ugryumov).

DANSKER, V.L., kand. med. nauk (Leningrad, ul. Chapygina, 5, kv.6)

Indications and methodology for the use of lyophilized urea.
Vest. khir. 92 no.5:33-37 My '64.

(MIRA 18:1)

1. Iz Leningradskogo nauchno-issledovatel'skogo neurokhirurgicheskogo instituta imeni A.L. Polenova (direktor - prof. V.M. Uglyumov).

L 00964-66

ACCESSION NR: AP5017649

UR/0219/55/060/007/0049/0053
616.831-008.918-085.76115
BAUTHOR: Dansker, V. L.; Nutochin, Yu. V.

TITLE: Mechanism of action of a urea preparation on cerebrospinal fluid pressure in man

SOURCE: Byulleten' eksperimental'noy biologii i meditsiny, v. 60, no. 7, 1965, 49-53

TOPIC TAGS: urea, human physiology, brain, hematoencephalic barrier, blood

ABSTRACT: Twenty-two persons with brain tumors, infused intravenously with lyophilized urea (30% solution in 10% glucose), exhibited an average decrease of 50% in cerebrospinal fluid pressure. The blood urea concentration increased in proportion to the amount of urea administered. The content of osmotically-active substances in serum did not change, but marked hydremia developed. Due to the low permeability of the blood-brain barrier for urea, an osmotic gradient may have been created between the blood and cerebrospinal fluid. The hydremia resulted from the flow of water and salts into the blood from the tissues. Since cerebrospinal pressure dropped after

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ACCESSION NR: AP5017649

the first few infusions, when the osmotic concentration of the blood had not as yet increased, the decrease in cerebrospinal fluid pressure and volume of the brain was related to both the osmotic and non-osmotic effects of urea. Orig. art. has: 1 figure, 1 table.

ASSOCIATION: Leningradskiy nauchno-issledovatel'skiy neyrokhirurgicheskiy institut im. A. L. Polenova (Leningrad Scientific Research Institute of Neurosurgery); Laboratoriya razvitiya vydelitel'noy funktsii Instituta evolyutsionnoy fiziologii im. I. M. Sechenova AN SSSR, Leningrad (Laboratory of Development of Excretion, Institute of Evolutionary Physiology AN SSSR).

SUBMITTED: 18Feb64

ENCL: 00

SUB CODE: LS

NO REF SOV: 003

OTHER: 006

Card 2/2

NATOCHIN, Yu.V.; DANSKER, V.L.; KEROVA, I.K.; LEONT'YEV, V.G.;
SOKOLOVA, M.M.

Dehydrating nonosmotic action of the urea; based on experiments
with the crystalline lens and the vitreous body. TSitologija
7 no.6:753-756 N-D '65.

(MIRA 1961)

1. Laboratoriya razvitiya vydelitel'noy funktsii Instituta
evolyutsionnoy fiziologii i biokhimii AN SSSR; Nauchno-issledo-
vatel'skiy neyrokhirurgicheskiy institut i Kafedra glaznykh
bolezney Gosudarstvennogo instituta usovershenstvovaniya vrachey,
Leningrad. Submitted April 16, 1965.

DANSKER, V.N.

DANSKER, V.N.; RUBEL', L.N.; SOLOV'YEVA, Ye.V.

Materials on the study of leptospiral jaundice. Report no.8: Parallels in the laboratory and clinical aspects of leptospiral and nonleptospiral jaundice. Trudy Len.inst.epid. i mikrobiol. 9:65-93 '47.

(MLR 10:9)

1. Iz laboratorii po izucheniyu leptospirozov (zav. K.N.Tokarevich) Instituta epidemiologii i mikrobiologii im. Patera (dir. P.I.Krasnik) i infektsionnogo otdeleniya bol'ницы im. Very Slutskoy (glavnnyy vrach E.M.Abkin)

(LENINGRAD--HEPATITIS, INFECTIOUS)

(LENINGRAD--WEIL'S DISEASE)

DANSKER, V. N.

TOKAREVICH, K.N.; DANSKER, V.N.

Materials on the study of leptospiral jaundice. Report No.9:
Anicteric form of Weil's disease. Trudy Len.inst.epid. i mikrobiol.
9:84-92 '47. (MLRA 10:9)

1. Iz laboratorii po izucheniyu leptospirosov Instituta im. Pantera
(zav. laboratoriye K.N.Tokarevich)
(LENINGRAD--WEIL'S DISEASE)

DANSKER, V.N.

TOKAREVICH, K.N.; DANSKER, V.N.; POPOVA, Ye.M.; AMOSENKOVA, N.I.

Materials on the study of leptospiral jaundice. Report No.12:
Experimental premises for specific serum therapy in leptospiral
jaundice. Trudy Len.inst.epid. i mikrobiol. 9:113-127 '47.
(MLRA 10:9)

1. Iz laboratorii po izucheniyu leptospirozov Instituta im. Pastera
(zav. laboratoriye K.N.Tokarevich)
(WELL'S DISEASE) (SERUM THERAPY)

DANSKER, V.N.

TOKAREVICH, K.N.; IVANOV, N.P.; SHMERLING, S.V.; DANSKER, V.N.; TOPLKHINOVA, K.A.

Materials on the study of leptospiral jaundice. Report No.13: First results of specific serum therapy in Weil's disease in Leningrad. Trudy Len.inst.epid. i mikrobiol. 9:128-137 '47. (MLR 10:9)

1. Iz laboratorii po izucheniyu leptospirozov (zav. K.N.Tokarevich) Instituta epidemiologii i mikrobiologii im. Pastera (dir. F.I.Krasnik) i Instituta vaktein i myvorotok (dir. A.A.Sinitskiy) i infektsionnogo otdeleniya bol'ničey V.Slutskoy (glavnnyy vrach E.M.Abkin) (LENINGRAD--WEIL'S DISEASE) (SERUM THERAPY)

DANSKER, V.N.,
GROMKOVSKAYA, A.A., kandidat meditsinskikh nauk; LEVYANT, S.M., kandidat
meditsinskikh nauk; DANSKER, V.N., kandidat biologicheskikh nauk;
KHITSKOVA, Ye.T.

Sate of health and organization of medical services to children at a
rural medical section. Vop. okh. mat. i det. 1 no.5:77-80 S-0 '56.
(MIRA 9:11)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo pediatricheskogo
instituta Ministerstva zdravookhraneniya RSFSR (dir. - prof. A.L.Libov)
Leningrad.

(MEDICINE, RURAL) (CHILDREN--CARE AND HYGIENE)

DANTSIG, N.M., prof.

Problems of ultraviolet radiations at the Eighth All-Union Congress
of Epidemiologists, Microbiologists and Specialists on Infectious
Diseases [with summary in English]. Gig. & san. 23 no.3:6-10 Mr '58.
(ULTRAVIOLET RAYS, eff.

(MIRA 11:4)

bactericidal eff. & use)

(BACTERIA, eff. of radiations on
ultraviolet rays, bactericidal eff. & use)

PORUDOMINSKIY, I.M.; DANSKIY, F.I.; KREYNGEL, L.I.; TABBEYEVSKIY, S.N.

Streptomycin in the treatment of gonorrhea in males. Vest. vener.,
Moskva no. 5:37-39 Sept-Oct 1952. (CLML 23:3)

1. Professor for Porudominskiy; Candidate Medical Sciences for Danskiy.
2. Of the Central Skin-Venereological Institute (Director -- Candidate
Medical Sciences N. M. Turanov), Ministry of Public Health USSR.

DAN'SHEV, I.A., kand. veter. nauk

Role of ticks in the epizootiology of listeriosis in animals.
Sbor. nauch. rab. Sar. NIVS 6:100-105 '63.

Listeriosis of sheep in Saratov Province. Ibid.:106-107

Epizootiology of Aujeszky's disease in swine. Ibid.:108

Effect of antibiotics on the pathogens of pasteurellosis.
Ibid.:109-120

Characteristics of avirulent forms of *Pasteurella* in bacterial
carriage by animals and poultry. Ibid.:121-123

Atypical forms of smallpox in cattle. Ibid.:124-126
(MIRA 18:11)

1. BILEVICHYUS, V.; DANTA, K.
2. USSR (600)
4. Feeding and Feeding Stuffs
7. Importance of microelements for animals receiving hay from peat bogs.
Sots. zhiv, 14 No. 10, 1952.
9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

Card 1/1

USSR / Farm Animals. General Problems.

Q-1

Abs Jour: Ref Zhur-Biol., No 23, 1958, 105623.

Author : Danta, Kl.
Inst : Not given.

Title : Republican Breeds of Farm Animals.

Orig Pub: Soc. zemes ukis, 1957, No 11, 3-10.

Abstract: No abstract.

Card 1/1

USER/Cultivated Plants - Fodders.

24.

Abs Jour : Ref Zhur - Biol., No 10, 1958, 34147

Author : Dantcheni, J.

Inst : -

Title : Fodder Plants for Green Feed.

Orig Pub : Soc. Nauk SSSR, 1957, No 4, 34-37.

Abstract : On the basis of five-year experiments in Lithuania the sowing of the following is recommended on clayey soils for green feed: clover and its mixture with timothy, alfalfa, vetch-oats mixture, corn, feed cabbage; on sandy loams and limestone clayey soils the sowing of the following is recommended: yellow alfalfa, alkaloidless lupine and its mixture with oats, field pea plus oats mixture, serradilla and turnip. 400-500 centners of feed cabbage and 150-200 centners of serradilla are obtained from 1 hectare. --
N.A. Medvedskiy

Card 1/1

- 78 -

DANTAS, L.

In close cooperation with the city committee for culture and the
arts. Munca sindic 7 no.4:51-54 Ap '63.

DANTOV, Abram Grigor'yevich, inzh.; LAZAREVICH, S.I., inzh.-mayor,
red.; CHAPAYEVA, R.I., tekhn. red.

[Icing of aircraft on the ground and means for its preven-
tion]Obledenenie samoletov na zemle i sposoby bor'by s nim.
Moskva, Voenizdat, 1962. 48 p. (MIRA 15:9)
(Airplanes—Ice prevention)

DANTS, G.T.

P.2

PHASE I BOOK EXPLOITATION

SOV/3546

Leningrad. Politekhnicheskiy institut

Obrabotka metallov davleniyem (Metal Forming) Moscow, Mashgiz, 1959. 175 p.
(Series: Its: Trudy, №. 203) Errata slip inserted. 3,200 copies printed.

Sponsoring Agency: RSFSR. Ministerstvo vysshego i srednego spetsial'nogo
obrazovaniya.

Resp. Ed.: V.G. Podporkin, Candidate of Technical Sciences, Docent; Ed.:
V.S. Smirnov, Doctor of Technical Sciences, Professor; Tech. Ed.: L.V.
Shchetinina; Managing Ed. for Literature on the Design and Operation of
Machines (Leningrad Division, Mashgiz): F.I. Fetisov, Engineer.

PURPOSE: This book is intended for students taking advanced engineering
courses, production engineers, and personnel at schools of higher technical
education and scientific research establishments studying rolling and
other metal-forming processes.

Card 1/6

Metal Forming

SOV/3546

COVERAGE: This is a collection of articles presenting the results of a series of investigations conducted by the metal-forming department of the Leningrad-skiy politekhnicheskiy institut imeni M.I. Kalinina (Leningrad Polytechnical Institute imeni M.I. Kalinin). The subjects covered include problems in the theory and practice of rolling, tube drawing, extrusion and making of compound dies. The first paper complements the work of N.I. Tsélikov and Ye. P. Unksov. References accompany most of the articles.

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1. Smirnov, V.S. Pressure of the Work on Rolls Taking Into Account Strain Hardening Effect This article is devoted to the theoretical aspects of cold rolling sheets and strips.	5
2. Bogoyavlenskiy, K.N. and G.I. Dants. Experimental and Theoretical Determination of Pressures of the Work on Rolls in the Cold Rolling of Heavy Nonferrous Alloys Results of the above investigation in rolling on two-, four- and six-high mills are presented.	25

Card 2/6

Metal Forming

SOV/3546

8. Chang Shun-T'ien, Investigating Plastic Deformation in the Cross Rolling of Discs	81
9. Smirnov, V.S., and Chang Shun-T'ien, State of Stress in Cross and Helical Rolling of Discs	89
10. Smirnov, V.S., and Chang Shun-T'ien, Effect of Some Process Factors on the Susceptibility of a Blank to Core Failure in Helical Rolling The above five articles present the results of investigations of deformation, state of stress, and the effect of various process factors on the quality of tubes, productivity, pressure of work on rolls, and the power consumed in cross and helical rolling and in piercing.	99
11. Bogoyavlenskiy, K.N. Change in the Mechanical Properties of Metal in Rolling in a Structural Mill	105
12. Bogoyavlenskiy, K.N. Influence of Work Hardening on the Relationship Between Hardness and Other Mechanical Properties of Bent Shapes	112
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Card 4/6

Metal Forming

SOV/3546

An approximate method, based on the theory of small elastic-plastic strains, for determining residual stresses in cross rolling is described.

19. Pavlov, N.N. Determining Mechanical Properties of a Steel Band in Relation to the Degree of Work Hardening 161

20. Ginzburg, K.S., Deformation Beyond the Focus in Nicking a Bar by a Block of Triangular Cross Section 163

An investigation was made of the deformation resulting from nicking a lead rectangular bar by a block of triangular cross section with various angles.

AVAILABLE: Library of Congress

Card 6/6

VK/1sb
5-16-60

DANTSELYAN, E.Ye.

Tularemia vaccine rash. Vest, derm, i ven. 38 no.3:51-53 Mr 164.
(MIP 18:4)

1. Kafedra koshnykh i venericheskikh bolezney (zav. - dotsent
(.D.Ter-Grigoryan) Yerevanskogo meditsinskogo instituta.

DANTSER, N.A.; GORELIK, Ye.S.

Clinical death during a lung operation due to pulmonary tuberculosis.
Akt. vop. tub. no. 2:207-212 '63. (MIRA 17:9)

PEREL'MAN, M.I.; DANTSER, N.A.

Lung resection in pulmonary tuberculosis and diabetes. Akt. vop.
tub. no. 2:201-206 '63. (MIRA 17:9)

ABEZGAUZ, N.N.; SUKHOVA, A.G.; DANTSER, N.A.

Method of blood preservation at room temperature and the results of its clinical use. Probl. gemat. i perel. krovi 8 (MIRA 16:8) no. 5:47-52 My'63.

1. Iz laboratori konservirovaniya krovi (zav. - prof. F.R. Vinograd-Finkel') TSentral nogo ordena Lenina instituta genetologii i perelivaniya krovi (dir.-dotsent A.Ye. Kiselev) Ministerstva zdravookhraneniya SSSR i 3-y gorodskoy tuberkuleznoy bol'nitsy.
(BLOOD—COLLECTION AND PRESERVATION)

DANTSÉS, N. R.

DANTSÉS, N. R.: "Norms for sowing winter wheat with various quantities of mineral fertilizer." Published by the Acad Sci Georgian SSR. Min Higher Education USSR. Georgian Order of Labor Red Banner Agricultural Inst. Tbilisi, 1956. (DISSERTATION FOR THE DEGREE OF CANDIDATE IN AGRICULTURAL SCIENCE).

So.: Knizhnaya Letopis',
No. 25, 1956. Moscow.

I 8380-66 EWT(m)/EWA(h)

ACC NR: AP6001624

SOURCE CODE: P0/0046/65/010/001/0207/0212

AUTHOR: Dancewicz, Antoni M. -- Duntsevich, A.M.47
BORG: Department of Radiobiology and Health Protection, Institute of Nuclear
Research, WarsawTITLE: Biochemical lesions induced in subcellular structures by ionizing radiation.
I. Thiol content of rat liver and spleen

SOURCE: Nukleonika, v.10, no.4, 1965, 207-212

TOPIC TAGS: biochemistry, rat, liver, ionizing radiation, radiation biologic effect,
spleenABSTRACT: The content of free thiol groups in subcellular fractions isolated from
rat liver and spleen were determined 0.2 and 24 hours after whole-body irradiation of
rats with a dose of 750 R. An increase in the thiols of nuclear fractions was found,
while in other fractions a decrease or no change occurred. The change in thiol con-
tent of spleen preparations appeared immediately after exposure and persisted for
24 hours at least, whereas that of liver preparations was detectable only 2 hours
after exposure. The author thanks Prof. E. Kowalski for his interest throughout this
work and Mr. L. Turkiwicz for valuable technical assistance. Orig. art. has: 1
figure, 1 table. NA 55

SUB CODE: 06, 20 / SUEM DATE: none / OTH REF: 013 / Sov REF: 009

Card 1/1 ad

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509710016-2

ЕАНСЕВИЧ, В.А.; ТОРАДОВ, В.Р.; ТИМЧЕНКО, А.А.

Systematic errors in determining gyrocompass corrections. Inform.
abor. TSNTIMF no.102, Sudovozh. Evlaz' no.4:34-38 :63.
(MIRA 17:9)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509710016-2"

COUNTRY : USSR
CATEGORY : Cultivated Plants. M
Grains. Legumes. Tropical Cereals.
ARS. JOUR. : RZhBiol., No. 3, 1959, No. 10907

AUTHOR : Dantsevich, Yu. D.
INST. : Kuban'-Rice-Experimental Station.
TITLE : On the Problem of the Biology of Flowering in Some Varieties of Rice in the South of Ukrainian SSR.

ORIG. PUB. : V sb.: Kratkiye itogi nauchno-issled. raboty (Kubansk. rice. opyta. st.) za 1956 g. Krasnodar, "Sov. Kuban'", *)
ABSTRACT : Work was conducted in 1956 with varieties: Zaravshanika 427, Dubovskiy 129 and Ukrainskiy. The basic factor which determines the beginning of flowering is the temperature of the atmosphere. The start of the flowering is observed at 11 a.m.-2 p.m.; the most intensive flowering - at the beginning of the second half of the day; the end of flowering comes by 5-6 p.m. The most intensive flowering of the panicles occurs on the 2d-4th day after the start, the total duration of flowering being 5-6 days. The flowering of the spikelets takes place in three stages: the first one takes 13-19% of the total time of flowering,

CARD: 1/2

*) 1957, 92-98

DANTSIG, Boris Moiseyevich; HEYMER, I.M., doktor istoricheskikh nauk,
redaktor; KOSTINSKIY, D.N., redaktor; SHCHUKINA, V.V., redaktor;
RIVINA, I.E., tekhnicheskij redaktor.

[Iraq: a brief sketch of its geography] Irak, kratkii geogra-
ficheskii ocherk. Moskva, Gos.izd-vo geogr.lit-ry, 1955. 134 p.
(Iraq--Description and travel) (MLR1 8:10)

M.
GENIN, I.; DANTSIG, B.; PROSHIN, N.; SPRYGINA, L.; TISHIN, I.; KOSTINSKIY,
D.N., redaktor; MOGINA, N.I., tekhnicheskiy redaktor

[Saudi Arabia, Yemen, Iraq, Aden, Qatar, Kuwait, Trucial Oman]
Dudovskaiia Araviia, Sienen, Irak, Aden, Katar, Kuveit, Dobovornyi
Oman. Moskva, Gos. izd-vo geogr. lit-ry, 1956. 31 p. (MIRA 10:2)
(Near East)

SHAMSUTDINOV, A.M.; otd. red.; VALUYSKIY, A.M., red.; DAVTSIG, R.M., red.;
MOISEYEV, P.P., red.; POTSKEVERIYA, B.M., red.; TVERITIMOVA, A.S., red.;
GASRATYAN, M.A., red. izd-va.; DEMIN, A.I., red. izd-va.; TSVETKOVA,
S.V., tekhn. red.

[Present-day Turkey] Sovremennaya Turtsiya. Moskva, Izd-vo vostochnoi
lit-ry, 1958. 290 p. (MIRA 11:11)

1. Akademiya nauk SSSR, Institut vostokovedeniya.
(Turkey)

DANTSIG, B.M., otv.red.; POTAPOVSKIY, B.I., otv.red.; RIVKINA, O.S.,
red.izd-va; TSIGEL'MAN, L.T., tekhn.red.

[Economic conditions of Asian and African countries in 1957 and
the first half of 1958] Ekonomicheskoe polozenie stran Azii i
Afriki v 1957 g. i v pervoi polovine 1958 g. Moskva, 1959.
(MIRA 12:10)
294 p.

1. Akademiya nauk SSSR. Institut vostokovedeniya.
(Asia—Economic conditions) (Africa—Economic conditions)

GENIN, Israill' Adol'fovich; DANTSIG, Boris Moiseyevich; YEROFEYEV,
I.A., red.; TULYAKOVA, N.I., red.; TSYPO, R.V.,
tekhn.red.

[Countries of southwestern Asia and North Africa; economic-
geographical survey. Textbook for teachers] Strany IUGo-
Zapadnoi Azii i Severnoi Afriki; ekonomiko-geograficheskii
obzor. Posobie dlia uchitelei. Moskva, Gos.uchebno-pedagog.
izd-vo M-va prosv.RSSR, 1960. 279 p. (MIRA 13:5)
(Africa, North--Economic conditions)
(Near East--Economic conditions)

DANTSIG, Boris Moiseyevich; DEOTYAR', D.D., otv.red.; DEMIN, A.I., red.
izd-va; DIZHUR, I.M., red.izd-va; MEGRIMOVSKAYA, R.A., tekhn.red.

[Iraq, past and present] Irak v proshlom i nastroiashchem.
Moskva, Izd-vo vostochnoi lit-ry, 1960. 253 p.

(MIRA 13:12)

(Iraq)

DANTSIG, B.M., otv. red.; SHPIRT, A.Yu., otv. red.; YASTREBOVA, I.P.,
otv. red.; DIZHUR, I.M., red. izd-va; ZOTOVA, Yu.N., red. izd-
va; YUREVICH, L.I., red. izd-va; HERESLAVSKAYA, L.Sh., tekhn.
red.

[Economic conditions of Asian and African countries in 1959] Eko-
nomicheskoe polozhenie stran Azii i Afriki v 1959 g. Moskva,
Izd-vo vostochnoi lit-ry, 1961. 509 p. (MIRA 14:9)

1. Akademiya nauk SSSR. Institut narodov Azii.
(Africa—Economic conditions) (Asia—Economic conditions)

SAUSHKIN, Yu.G.; SOLOV'YEV, A.I.; YEFREMOV, Yu.K.; KOTEL'NIKOV, V.L.;
IOFA, L.Ye.; DANTSIG, B.M.; BARKOV, S.A.; GRUZINSKAYA, V.A.;
BARKOVA, G.Ye.

V.A.Kondakov, 1886-1959; obituary. Vop. geog. no.54:174-176
'61. (MIRA 15:3)
(Kondakov, Vadim Aleksandrovich, 1886-1959)

DANTSIG, D. M.

USSR/Human and Animal Physiology - Effect of Physical Factors. R-14

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71300

Author : Dantsig, D.M., Demina, D.M., Zabaluyeva, A.P., Kandrod, I.

Inst :
Title : The Comparative Evaluation of the Antirachitic Action of
U-V Irradiation of Sun Lamps and Vitamin D.

Orig Pub : Pub: In coll: Tr. Nauchnoy sesii, Posviashch. ostizh. i
Zadacham sov. biofiziki, v. s. Kh. M. Isd-vo AN SSSR,
1955, 121-127

Abstract : Rats on a rachitogenic diet were irradiated by sun lamps
(0.1-0.2 erythema dose); the rats of a special group re-
ceived daily vitamin D 1 m. u.; the control rats received
neither irradiation nor vitamins. After 20 days, the ac-
tivity of thyroid phosphatase and inorganic P in blood
was determined and also X-rays of the hind limbs were ta-
ken. All findings pointed to the fact that irradiation
had a much greater prophylaxis than vitamin administra-
tion.

Card 1/2

- 166 -

USSR/Human and Animal Physiology - Effect of Physical Factors. R-14

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71300

In another series of tests, where rats with severe experimental rickets were used, a high therapeutic effect of irradiation was obtained. Observations of 27 children from one of the extreme northern regions showed that irradiation for two months, produces increase in phosphatase activity in the blood. The authors, consider, that the irradiation gives a doubtlessly hygienic effect, which cannot be obtained by administration of vitamins alone.

Card 2/2

- 167 -

DANTSIG, G.N.; ORECHKIM, D.B.

Determination of small amounts of carbon monoxide in gases using
the chemo-chromatographic method. Zav.lab. 28 no.2:136-139 '62.
(MIRA 15:3)

(Carbon monoxide) (Chromatographic analysis) (Gases—Analysis)

DANTSIG, G.N.

Chromatographic pulse-thermal method of gas analysis. Zav. lab.
30 no.11:1313-1316 '64 (MIRA 18:1)

1. Novomoskovskiy filial Gosudarstvennogo nauchno-issledovatel'-skogo i proyektного instituta azotnoy promyshlennosti i produktov organicheskogo sinteza.

DANTSIG, I. I.; KORSENNSKIY, A.D.; PANIN, I.O.

Pulmonary tuberculosis. Probl.tub. 34 no.6 supplement; 8 N-D '56.
(MLRA 10:2)
1. Iz Mikhinskogo tuberkuleznogo sanatoriya (Blagoveshchensk na
Amure)
(TUBERCULOSIS)

DANTSIG, I. I. ; PANIN, I. G.

Immediate and late results of artificial pneumothorax associated with antibacterial therapy in focal and infiltrative forms of pulmonary tuberculosis. Probl. tub. 34 no.6 supplement:11-12 N-D '56.
(MLRA 10:2)

1. In Mukhinskogo tuberkuleznogo sanatoriya (Blagoveshchensk-na-Amure)
(PNEUMOTHORAX, ARTIFICIAL,
with drug ther. (Rus))

DANTSIG, I. I.

POGREBINSKIY, S.N.; DANTSIG, I.I.; PANIN, I.G.

Using kumiss prepared from skinned cow's milk in certain forms of
pulmonary tuberculosis [with summary in "english]. Vop. pit. 16 no.4:
33-35 J1-Ag '57.
(MLRA 10:10)

1. Iz Muksinskogo tuberkuleznogo sanatoriya Amurskoy oblasti
(MILK, therapeutic use,
skinned milk prep. in pulm. tuberc. (Rus))
(TUBERCULOSIS, PULMONARY, therapy,
skinned milk prep. (Rus))

DANTSIG. I.I.

Intratracheal administration of streptomycin in cavernous pulmonary tuberculosis [with summary in English]. Klin.med. 37 no.1:113-116
(MIRA 12:3)
Ja '59.

1. Iz Mukhinskogo tuberkuleznogo sanatoriya Amurskoy oblasti.
(TUBERCULOSIS, PULMONARY, ther.
streptomycin, intratracheal admin., in
cavernous tuberc. (Rus))

DANTSIG, I.I.; KORSENNSKIY, A.D.; PANIN, I.G.

Some features of the clinical picture of pulmonary tuberculoma.
Probl.tub. 37 no.2:33-38 '59. (MIRA 12:9)

1. Iz Mukhinskogo tuberkuleznogo sanatoriya (Amurskaya oblast').
(TUBERCULOSIS, PULMONARY, pathol.
tuberculoma, clin. picture (Rus))

DANTSIG, I.I.; PANIN, I.G.

Atelectasis as a complication of artificial pneumothorax. Probl.
tub. 38 no.2:36-41 '60. (MIRA 13:11)

1. Iz Mukhinskogo tuberkuleznogo sanatoriya, Blagoveshchensk-na-Amure.
(PNEUMOTHORAX) (LUNGS—COLLAPSE)

SOKOLINA, E.L.; DANTSIG, I.I.

Errors in the diagnosis of tuberculosis and nontuberculous lung diseases. Probl.tub. no.7:12-17 '62. (MIRA 15:12)

1. Iz gospitalya dlya lecheniya invalidov Otechestvennoy voyny (glavnnyy vrach - zasluzhennyy vrach RSFSR N.N.Shatalov), Leningrad.

(TUBERCULOSIS) (LUNGS--DISEASES)

DANTSIC, I.I.

Fibrinogen content of the plasma in patients with pulmonary tuberculosis and with nontuberculous lung diseases. Probl. tub. no.7:48-51 '64. (MIRA 18:10)

1. Vyborgskiy protivotuberkuleznyy sanatoriy, kafedra tuberkuleza Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova, Leningrad.

1 05578-57 ENT(1) GY/GD
ACC NR: AT6005057 (N). SOURCE CODE: UR/0000/65/000/000/0092/0099

AUTHOR: Dantsig, L. G.; Dergachev, A. A.; Ivashchenko, A. I.
ORG: none

TITLE: Experience in using the point sounding method in analyzing
seismological data for the Altay-Sayan region

SOURCE: AN SSSR. Sibirsckoye otdeleniye. Institut geologii i geofiziki.
Metodika seismorazvedki (Methods of seismic prospecting). Moscow,
Izd-vo Nauka, 1965, 92-99

TOPIC TAGS: seismology, seismic wave, body wave, point shooting, Mohorovicic discontinuity, seismic PROSPECTING/ALTAYE-SAYANSKAYA OBLAST'

ABSTRACT: The depth of the Mohorovicic discontinuity under the Altay-Sayan region has been determined using the data registered from industrial explosions and near earthquakes (1960 through 1963). Five temporary seismic stations in the Kuzbass were used from January 1960 through May 1961, 2 from May until July 1962, and six after July 1962, with as many as 14-15 operating simultaneously at times when field parties other than those directed by the authors supplied data. For the first time in the Soviet Union, the data were analyzed by a variant of the point seismic sounding method originally developed for seismic

Card 1/3

L 06590-67
ACC NR: AT6003057

$\bar{V} = 6.1 \pm 0.1$ km/sec and $V_n = 8.1 \pm 0.1$ km/sec. A chart, compiled to depict the depths of the Moho determined by the new method shows the earth's crust to vary in depth between 36 and 50 km, averaging 43 km in the region. The discontinuity tends to dip toward the southeast. Orig. art. has 4 figures. [ER]

SUB CODE: 08/ SUBM DATE: 30Sep65/ ORIG REF: 005

Card 3/3 MFE

8/190/63/005/002/009/024
B101/B102

AUTHORS: Mitsengendler, S. P., Aleyev, K. M., Dantsig, L. L.,
Korotkov, A. A.

TITLE: Effect of the nature of the ether on styrene-divinyl
copolymerization using butyl lithium

PERIODICAL: Vysokomolekulyarnyye soyedineniya, v. 5, no. 2, 1963,
212-216

TEXT: Since it has been found previously (Vysokomolek. soyed., 2, 1961,
1960) that addition of diethyl ether accelerates the copolymerization of
styrene (St) and divinyl (DV) and influences the composition of the
copolymer, copolymerization of equimolecular ratios of St and DV was
performed in benzene at 30°C with 0.05 mole/l butyl lithium in the
presence of different ethers. Results:

Card 1/4

Effect of the nature of the ...

S/190/63/005/002/009/024
B101/B102

ether	concentration mole/l	composition of the copolymer, %	
		St	DV
diethyl ether	1.1	13.6	86.4
dioxane	1.1	30.8	69.2
methylal	1.1	30.0	70.0
tetrahydrofuran	1.1	30.6	69.4
tetrahydrofuran	3.0	45.9	54.1
ethylene glycol dimethyl ether	1.1	48.4	54.6
		47.8	52.2

The copolymerization constants α (St) and β (DV) were:

	α	β
without ether	0.05	20
with diethyl ether	0.11	1.74
with tetrahydrofuran	0.744	1.030

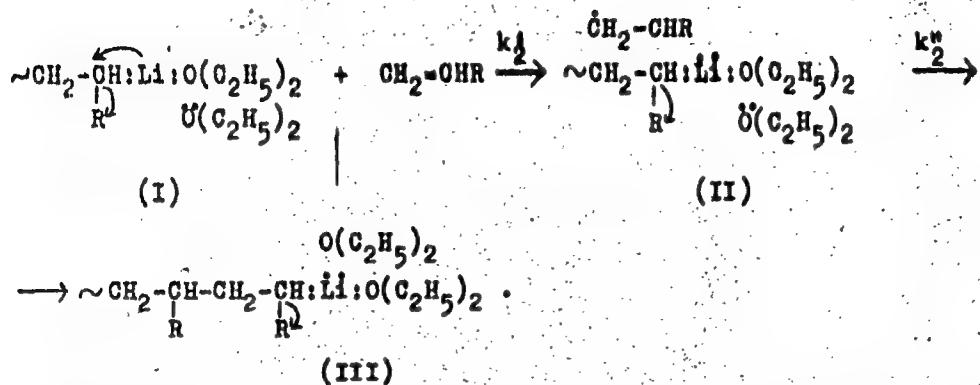
The polymerization rate in
the presence of tetrahydro-
furan was 5-6 times higher
than in the presence of

diethyl ether and 100 times higher than without ether. This is explained
by complex formation, taking diethyl ether as example:

Card 2/4

S/190/63/005/002/009/024
B101/B102

Effect of the nature of the ...



The highly active ethers, such as tetrahydrofuran and ethylene glycol dimethyl ether, form stable complexes with a highly polar C-Li bond owing to slight steric hindrance and the isomerization of complex II to complex III proceeds rapidly, the structure of the components having only a small effect so that $\alpha \sim \beta$. With diethyl ether, dioxane, and methylal, the rate

Card 3/4

Effect of the nature of the ...

S/190/63/005/002/009/024
B101/B102

of II \rightarrow III isomerization becomes commensurable with the rate of II formation by reason of steric hindrance. The total rate depends thus on k_2^1/k_2^2 and $\alpha \neq \beta$. There are 3 figures and 2 tables.

ASSOCIATION: Institut vysokomolekulyarnykh soyedineniy AN SSSR
(Institute of High-molecular Compounds AS USSR)

SUBMITTED: July 28, 1961

Card 4/4

MITSENGENDLER, S.P.; ALEYEV, K.M.; DANTSIG, L.L.; KOROTKOV, A.A.

Effect of the nature of ether on the copolymerization of styrene
and bivinyl by butyllithium, Vysokom. soed. 5 no. 2:212-216 F '63,
(MIRA 16:2)

I, Institut vysokomolekularnykh soyedineniy AN SSSR.
(Ethers) (Polymerization) (Styrene)
(Butadiene)

BAKHIREV, N.F., kand. tekhn. nauk; GAVANIN, V.A., inz.; DANTSIG, N.M.;
KODINETS, G.A., prof.; MELYUKOV, A.H., kand. sel'khoz. nauk;
PICAREV, N.V., doktor sel'khoz. nauk; OSETROV, P.A., kand.
tekhn. nauk; SVENTITSKIY, I.I., kand. tekhn. nauk; SOKOLOV, M.V.,
doktor tekhn. nauk; SOLUN, A.S., doktor sel'khoz. nauk;
SHARABRIN, I.G., doktor bet. nauk; SKOBELEV, V.M., kand. tekhn.
nauk; TIRKEL'TAUB, M.V., inzh.; KOLPAKOVA, Ye.A., red.izd-va;
YEPIFANOVA, L.V., tekhn. red.; SIMKINA, G.S., tekhn. red.

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